

# **sPHENIX Document Review**

## **Introduction**

**Edward O'Brien**  
**Brookhaven National Lab**  
**June 5-6, 2017**

# Review Agenda

## Monday, 5 June 2017

- 09:00 - 09:10 Introduction to the Review Process 10'  
Speaker: Bill Wahl
- 09:10 - 09:40 sPHENIX Project Overview(20+10) 30'  
Speaker: Edward O'Brien (BNL)  
Material: [Slides](#) 
- 09:40 - 10:10 sPHENIX Technical Overview(20+10) 30'  
Speaker: John Haggerty (Brookhaven National Laboratory)  
Material: [Slides](#) 
- 10:10 - 10:40 CD-1 Documentation Overview(20+10) 30'  
Speaker: James Mills (Brookhaven National Laboratory)  
Material: [Slides](#) 
- 10:40 - 11:00 sPHENIX Project Controls(15+5) 20'  
Speaker: Mrs. Irina Sourikova (Brookhaven National Laboratory)
- 11:00 - 11:15 Break
- 11:15 - 11:45 Infrastructure and Facility Upgrade Overview(20+10) 30'  
Speaker: Don Lynch (BNL/PHENIX)  
Material: [Slides](#) 
- 11:45 - 12:15 TPC BOEs and RLS (20+10) 30'  
Speaker: Prof. Thomas Hemmick (Stony Brook University)
- 12:15 - 13:15 Lunch
- 13:15 - 13:45 EMCal BOE's and RLS(20+10) 30'  
Speaker: Craig Woody (BNL)
- 13:45 - 14:15 HCal BOE's and RSL(20+10) 30'  
Speaker: Prof. John Lajoie (Iowa State University)  
Material: [Slides](#) 
- 14:15 - 14:45 Calorimeter Electronics BOE's and RLS(20+10) 30'  
Speaker: Eric Mannel (Brookhaven National Laboratory)  
Material: [Slides](#) 
- 14:45 - 15:00 Break
- 15:00 - 15:20 DAQ/Trigger BOEs' and RLS(15+5) 20'  
Speaker: Dr. Martin Purschke (BNL)  
Material: [Slides](#) 
- 15:20 - 15:35 Min Bias Trigger Detector(10+5) 15'  
Speaker: Dr. Mickey Chiu (Brookhaven National Lab)
- 15:35 - 16:35 Executive Session 1h0'

## Tuesday, 6 June 2017

- 09:00 - 12:00 Drill Downs 3h0'
- 12:00 - 13:00 Lunch 1h0'
- 13:00 - 15:00 Executive Session 2h0'
- 15:00 - 15:30 Close Out 30'

# Status of Resource-loaded Schedule

- We have integrated MS-Project files for the MIE (WBS 1.1-1.7) and the Infrastructure and Facility upgrade (1.8-1.10).
  - The Integration of the Japanese-funded project, the Intermediate Tracker (INTT), is underway, WBS 1.11.
- Based on recent work and continuous checking with the L2 Managers we believe that they have the file schedules integrated correctly and the total cost roll-up consistent with the costs in the files.
- We know that we have some mistakes in the Resource tables and we're working with the L2's to straighten that out.
- There are still likely bugs in our 1800+ line files. File debugging is on-going.

# CD-1 Document Preparations Responsibilities

CD-1 Requirements	Responsibility
Acquisition Strategy	R.Ernst
Conceptual Design Report (CDR)	J. Haggerty
Preliminary Project Execution Plan (PPEP)	E. O'Brien
Integrated Project Team (IPT) Charter	L. Nelson
Environment, Safety and Health Plan	P. Giannotti
Preliminary Hazard Analysis	P. Giannotti
Preliminary Quality Assurance Plan	J. Eng
Risk Management Plan	I. Sourikova
Security and Vulnerability Assessment	E. O'Brien/M. Purschke
National Environmental Policy Act (NEPA) Compliance	J. Mills
Configuration Management Plan	D. Lynch
ESH Plan Prepared; BNL ISMS in Place	P.Giannotti, J. Mills, D. Lynch
Project Data Sheet	I. Sourikova
Cost and Schedule Assumptions	E. O'Brien
Other Documents	
Project Cost Estimate	E. O'Brien/R. Ernst/L2s
Project Schedules	J. Mills/I. Sourikova/L2s
WBS Dictionaries and List of Deliverables	I. Sourikova/L2s/E. O'Brien
Risk Registry and Risk Forms	I. Sourikova
Technical Specifications	E.O'Brien/J. Haggerty/L2s
MoUs	R. Ernst
Project Personnel Biographies	Project team